

$$SN = 17$$

DEC to BIN

$$TB = 2$$

$$17 \% 2 = 1 \cdot 1 = 1$$

$$17 / 2 = 8$$

$\times 10$

$$8 \% 2 = 0 \cdot 10 = 0$$

$$8 / 2 = 4$$

$\times 10$

$$4 \% 2 = 0 \cdot 100 = 0$$

$$4 / 2 = 2$$

$\times 10$


$$2 \% 2 = 0 \cdot 1000 = 0$$

$$2 / 2 = 1$$

$\times 10$


$$1 \% 2 = 1 \cdot 10000 = 10000$$

$$1 / 2 = 0$$

$$17 \rightarrow 10000 + 0 + 0 + 0 + 1 = 10001$$

$$5 \% 2 = 1 \cdot 1 = 1$$

$$5 / 2 = 2$$

$\times 10$


$$2 \% 2 = 0 \cdot 10 = 0$$

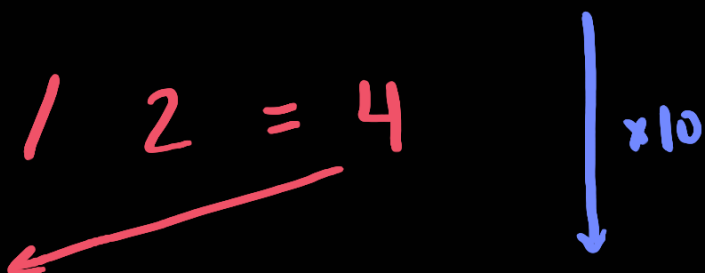

$$2 / 2 = 1$$


$$1 \% 2 = 1 \cdot 100 = 100$$

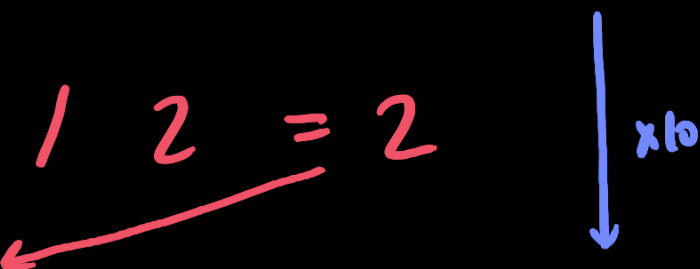
$$1 / 2 = 0$$

$$5 \rightarrow 100 + 0 + 1 = \textcircled{101}$$

$$8 \% 2 = 0 \cdot 1 = 0$$

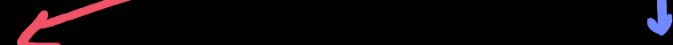
$$8 / 2 = 4$$


$$4 \% 2 = 0 \cdot 10 = 0$$

$$4 / 2 = 2$$


$$2 \% 2 = 0 \cdot 100 = 0$$

$$2 / 2 = 1$$



$$1 \cdot 1 \cdot 2 = 1 \cdot 1000 = 1000$$

$$1 \cdot 1 \cdot 2 = 0$$

$$8 \rightarrow 1000 + 0 + 0 + 0 = \textcircled{1000}$$